

WILLIAMS

COLLEGE

1865
Catalogue

To the Honorable
All of California

Catalogue of
collections in Nat-
ural History made
in the North Pacif-
ic, and sent to the
Smithsonian Institute
through
Capt C. M. Scammon
U.S. R.M.

1865

Alcoholic

Dry
Bottled wet

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May 10th.

J. G. Windship May 3.

April.

J. G. Windship.

R. E. C. Stearns.

W. H. Dall.

Box sent back from
San Francisco.

Contents

Tin of Nicaragua colls.

1. Starfish. Bischoff. S.F. beach
2. Small Beetles. do. S.F. June
3. Large Insects. do. Learsville. Cal "
- 4 Small " " " " June "
- 5 " " " " " " "
- 6 Spiders &c " " " " "
- 7 Barnacles 3 sp. Dall. S.F. Bay. 11 mo
8. Shells & crabs. pebbly beach S.F. Bay Dall
9. Lizards. Hunters point. " Dall & Hall
10. Fish, Near Mission Rock S.F. Bay
11. Insects. Nicaragua. W. H. Dall.
12. Dredgings 7 fath. mud. S. F. Bay.
13. Landrills. Napa City. Cal. R. Keen.
14. " Black Rock. S.F. Bay. R. E. C.S.
15. Dredging. S. F. Bay. 3 fath. mud.

Alcoholic -

one bottle



Dry
Board of Harbor Comm.
San Francisco.

Dry.

J. T. Rothrock, Dry

W. D. O'Connell, Dry

P. J. Olander, Dry

16. Sundries, under stones at low
water, Goat Island, S. F. Bay

May 30, W. H. Dall & Chas Pease

17. Salamander, Yerba buenas
Waveyard S. Fran, Dall

18. Sundries, bat & Salamander
Napa City Cal, R. Kummert

19. Snake S. Fran, Bischoff.

20. Piece of pile bored by
Teredos, in 11 months
from time of driving
North point pier -

21. Box of Chinese shells
from J. C. Gove, S. F.

22. Plants from Nicaragua
and vicinity of S. F.

23. Box shells from vi-
cinity San Francisco, Dall

24. Pkg mosses des. by Leo
Lesqueroux in Phil. Ac. S. F.

Dry

Dry

Dry

Dry

Alcoholic.

do.

25 Two galls from Oakland
S. F. Bay, with insect in.
W.H. Dall.

26. Insects from S. F. &
Nicaragua Dall & Bis-
choff. & Gadwall's
egg Mr. Heburn

27 Humming bird (female)
and nest H. Bischoff
San Francisco Cal. May

28. Same with two eggs

29. ~~Three~~ ^{Six} humming birds

June. Two species, S. F. Bischoff

30. Smelts, Pt Simpson Lat 54°
40' Lon 130 W. Chs. S. Buckley

31 Insects, Coleoptera Bischoff
vic. San Francisco. June 1

32. Eutania elegans? Ken. &c
S. F. Vicinity. W.H. Dall. June 1.

June 20

Pearse & Ketchum, Alcoholic
vicinity of San Francisco

33. *Eutania elegans*? Ken. June 20

34. Small minnows from
Mountain Lake.

35. Sticklebacks from
Mountain Lake.

36. Blue sided hill lizards
Two males, one female

37. Lizards found near
water edge & one blue side

38. Mud crabs from
salt beach, Pacific. 0

39. Frog & catfish from
Clear Lake, fresh water.

40. Catfish & sticklebacks
from Mountain Lake

41. Salamanders from
mud in Clear Lake.

42. Salamanders from
mud in Clear Lake.

June 20
Pease & Ketchum. Alcoholic
Vicinity of San Francisco.

78

H.W. Elliott

Dry

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Dry

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Dry

|

Tarantula R. K.

Dry

|

Dry

|

43. Shells, *Lymnaea Planorbis* & *Physa* from Clear Lake -

44. Coleoptera and other insects near City.

45. Bird from off cape St. Lucas Pacific Oc.

46. 7 species, 10 specimens Birds, from San Francisco, June 1. F. Bischoff. numbered from 78 to 87.

47. Bundle masses from H. Bolander, Calan.

48. Box insects from vicinity of Frisco Tarantula from Nicaragua. F. Bischoff.

49. Lepidoptera from the vicinity of Frisco co. May 15. F. Bischoff

Skins. Dry
mostly from the
Vicinity of
San Francisco
& all from Cal.

Alcoholic

Alcoholic

Alcoholic

Dry.

Alcoholic

50. 47 skins of birds
& one mammal.
Numbered from 1
to 77 prepared by
C. F. Lorquin and
credited to Col. C. S. Bul-
kley.

51. Cat-fish from Mount
ain Lake

52. ~~do~~ from Sitka RA
Col. C. S. Bulkley.

53. Two fish. from Sitka
Col. Chas. S. Bulkley.

54. Lepidoptera, vicin-
ity of San F. Bischoff

55. Stickle backs and ool-
pkins from salt water
Oakland Cal. June
20. Pease & Wall.

Alcoholic.

Alcoholic.

Dry.

Alcoholic

Alcoholic

Alcoholic

56. Insects mostly Coleoptera & Hymenoptera from Oakland Cal. June 20 Chas Rease & W H Dall

57. Coleoptera from vicinity of San Francisco June 25. F. Bischoff.

58. Echini from Sitka Col. Chas. S. Bulkeley

Bot no. 4.
From Sitka Aug 16, 1865
Per Bark Clara Bell for Victoria.

59.

60. Hyalea, Pacific O.
Alex Harder.

61. Vellela? Pacific O.
Geo H Dow -

62. Blue Crabs Pacific O.
Geo H Davis -

Alcoholic

Alcoholic

Alcoholic

Alcoholic

Alcoholic

Alcoholic

Not
sent until
Box No. 6,

Alcoholic

Dry

Dry

Sitka

Alcoholic.

63 Vella Pacific O.
Alex Harder.

64 Medusa Pacific
E. E. Smith

65 Sundry floating mol-
lusks W. W. Dall.

66 Blue Barnacles
Pacific O. W. W. Dall.

67 Bryozoa Pacific O.
sw Sitka Chas Pease

68 Fish &c 33 miles SW of
Sitka A. S. Arnold.

69. Sundry Crustaceans
Pacific Ocean - Dall

70. Stone with coralline.
Dr. Fisher. Sitka. R. A.

71. Sundry shells. Sitka
Dr. Fisher.

72. Miscellaneous alcoholic
mostly marine. Dr Fisher.

1.

- 2 gross Corks - W.T.
- 9 small hammers - Chi
- 2 Solder Irons - SI
- 1 Piece solder - SI
- 29 Geological chisels - Chi
- 7 Butterfly net frames Chi
- 1 cap screw - SI
- 2 Large Hammers - Chi
- 21 Butterfly nets, Chi
- 1 Stencil Plate, Ink, & Brushes.
- Assorted Wide mouthed Vials.

2.

- 9 Bars French.
- 5 Tartar Emetic.
- 2 bottles Cor. Sublimat.
- 4 gross Cords, Rom. Vials.
- 2 Cords -

1 Casting Net,	2 -	SI
1 Baird seine.		SI
40 Cork soles.		chi
3 Gross 4 Dr. Hom. vials		WV
2 " 2 " " "		WV
Lot Corn Stalks.		chi
1 Gross 6 dr. Hom. vials		WV
1 Dip net -		SI

3.

10 Botanical Straps		chi
18 Small do		chi
2 bags extra buckles		chi
1200 Fish bags.		W.V.7.
5 Gas bags.		chi
10 Small plant presses		chi
1 Cap screw.		SI
6 cans Arsenic		W.V.7.
5 " Taylor emetic.		W.V.7.

Two bottles Corrosive Sublime
1 gross six dram Hom. with
2 " Homoeopathic corks with

4.

86 cans Arsenic, W.W.T.
Screw caps - 51

5.

Alcohol & two caps screws -
W.W.T.

No. six sent with
Rochester party up
Fraser River - 51

Can from No 2 given to
Kerricott to take to
Fort-St-Michael in ad-
vance. 51

[Faint, illegible handwriting on the left page of an open notebook.]

[Faint, illegible handwriting on the right page of an open notebook.]

used for making charcoal
Dry

Capt Sands - Dry
Aleutian Islanders

Capt. Sands, Dry.
Aleutian Islanders.

Mounted

Dry.

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"

"

"

Dr Fisher

Dr Fisher

73 Walrus bone. Arctic Oc.
Dr. Fisher.

74 Indian miniature canoe
Walrus hunter ~~Kotashes~~

75 Indian bodarkie. ~~Kotashes~~
Capt Sands -

76. Duck from North of
Behring straits Dr. Fisher

77. Duck do
Dr. Fisher.

78. Duck do
Dr Fisher.

79. Duck do
Dr. Fisher.

80. Stone with coralline.
Capt J.R. Sands.

81. Aleutian Islanders war
cap. ~~Capt J.R. Sands~~

82. Cario. Aleutian Islanders
~~Capt J.R. Sands~~

Dry.

Dry
Col. Bulkeley

~~Dry~~

Dry.

Dry
all from Sitka
Sandy beaches
at low tide.

83. Aleutian Islanders Canoe
Capt ~~Sando~~. Dr Fisher

84. *Mytilus edulis*, Bull
Harbor, New Vancouver
Island, ~~R. Kinnicott~~

85. Sitka plants
Dr Fisher

86. Box shells from
New of V. I. Col B.

Box no. 5.

88. Box of dry shells
containing (R. Cotten.)

- 22 specimens of *Haliotis*,
- 38 " " *Lardium*
- 1 " *Tellina*.
- 3 " *Glycymeris*,
- 52 " decussated *Tapes*
- 40 " ?
- 3 or 4 unique specimens

Dry
Pillbox, "

" "

" "

" "

Alcoholic.

Alcoholic

- 1 Echinoderm. Sitka
All collected by W. H. Dall
89. Shells dredged in ten
fath. Sandy mud in
Sitka harbor Aug 16 by
(limpets &c) W. H. Dall.
90. Vermetes &c, ten fath.
shelly mud. Sitka. Aug
16. 1865. W. H. Dall.
91. Univalves from ten fath
mud. Sitka. W. H. Dall.
92. Bivalves, from ten fath
shelly mud, Sitka. Dall
93. Holothurians, under
stones at low water, and
worms and a small
catfish, all from the
same locality & station
Sitka. W. H. Dall.
94. Land snails, Sitka. Dall.

Alcoholic.

Alcoholic.

Alcoholic.

Bot m & Alcoholic.

Alcoholic.

95. Shells & crustaceans from the kelp band, two to three fathoms. Sitka Aug 18. 1865. Wm H. Dall.

96. Shells, crustaceans, shrimps, from kelp band, three to four fathoms. Sitka Bay Wm H. Dall.

97. Holothurians and didoninae from low tide under & on the stones in the small bay op. the Ind. villages — Wm H. Dall

98. Small naked mollusks (see notes) from various depths. (see notes) Sitka Bay. Wm H. Dall

99. Shells & crustacea. kelp band 3 fath. Sitka. W. H. Dall.

Alcoholic.

Alcoholic.

Alcoholic

Alcoholic.

Alcoholic

Alcoholic
W.H. Dall.

100? Pinnotheres, male & female
from interior of clams
Sitka, W.H. Dall.

101. Shells and crustaceans
near gravel 4 fath Sitka
Bay, W.H. Dall.

102. Starfish from ten
fathoms, large crab
low tide level, rest
3 fathoms gravel &
weeds - Sitka W.H. Dall.

103. four small trout from
near Sitka, trout-stream
four catfish 2 fath
mud, Sitka, W.H. Dall.

104. Sundries from deep
water, ten to 15 fath
oms Sitka Bay, W.H. Dall

105 Sundries from six
fathoms, gravel, Sitka

Dry.

Alcoholic.

Alcoholic

not sent before

Alcoholic

Alcoholic

106. Wood bored by crustaceans, Sitka. W.H. Dall

Box no 6.

108. Pteropod, shell opercle and animal from N. Pacific Oc. W.H. Dall
Lat. 55°30', Lon 145°52.

109 Small Helices from Sitka, W.H. Dall.

109. Sundries (see 69)
108. See 98. W.H. Dall

110. Limacina Pacific off Alaska, W.H. Dall
See notes.

111 Sundry shells of which the animals have been drawn -
Pungo Harv, W.H. D.

Dry.

Alcoholic

Alcoholic

Alcoholic

Lat.

Long

100 feet apart.

Dry
dry

112. Top of Mt. Kestovia at Sitka measured by Richard Cotter who collected it. 3216 ft

113. Sundries Ounja Harbor. Rocks 6 fm. Dall

114. Sundries Ounja har. 7 fath. mud. W. Dall

115. Soundings off Alaska 150 fath. Capt. Scammon

116. Soundings 65 fath off Alaska Capt Sc.

117. Soundings 45 fath Capt Scammon off Alaska.

118. Soundings off Unimak 45 f. Capt C. M. Scammon

119. do 43 fath. Lava. Capt Scammon

120. do 40 fath. mud.

Alcoholic.

Dry

Dry

Dry

Dry

Dry

Dry

Oumga.

121. Soundings off Alaska
190 fathoms sand
Capt Seaman

122. 14 specimens of Plac-
manonia, Oumga
Harbor, W.H. Dall.

123 34 specimens of Ar-
gotrecium, Oumga
Harbor beach, W.H. Dall

124. Two specimens of
rock from Haystack
Island, Oumga Har, Dall

125. Specimens of stone
Dall. with coralline Oumga
harbor, 4 fm mud

126 1 specimen flint
from beach at Oumga
Har, W.H. Dall.

127 Amigdaloid with sparth
re minerals, W.H. Dall

Dry
Bannister

Dry

Dry

Dry

Dry

Alcoholic

128. Coal or lignite from
Oruga, 3 spec. W.M. Barr

129. 7. spec. Fossil vegeta-
ble impressions from
Coal strata at Oruga
Bannister

130. 30 specimens of
Cretaceous fossils Eo-
gyra from Coal strata
at Oruga, Bannister
and Dall.

131. Box dead shells
from 4 fath mudd at
Oruga Harbor, Dall

132. ~~Box shells from~~
~~Beaver Harbor, Port-Rupert~~
Mar 31. Capt. L.M. Scammon

133. Parasites & small fish
from gills & sides & stomach
of cod. At Tunimak, Dall

dry

dry

Alcoholic

dry

dry

dry

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Al

- 134. Berries & twigs from
Ounga Island, F. Whympse
- 135. Shells from ~~pond near~~ ^{Lake la Hache}
~~Ft. Yale~~ British Columbia
Fresh water, H.M. Bannister
- 136. Beetles from British Col
umbria above Ft. Alexan
dra. Bannister
- 138. Naspie, Ounga Isld
Box No. 7. Chas Pease
- 139. Fossil wood, Ounga
Coal seam. S. Pollock
- 140. Macoma & Michaelovsky
beach. W.H. Dall
- 141. Sand fleas from St-
Michaels. R. Kennicott
- 142. Lundries - Sitka
R. Kennicott
- 143. Lundries, St Michaels
W.H. Dall.

Dry

Dry

Dry

Alcoholic

144. Lava rock from St-
Michaels. W.H. Dall.

145. Echinus from Ouni-
mak passage, 40 fms
up on lead line.
Capt Scammon

146. Two shells of Pteropods?
Offounimak. Dall.

147. Mouse
St. M. R.K.

148. do
Dall

149. Ermine
St. M. (Sept 16.) Dall

150. Bird
R.K.

151. do
R.K.

152. Bird head
Dall

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153 Echini, Ounga, R.K.

154. Limpets do do

155. Cod fish off Durimak.

Dall

156 Sculpin do Dall

157. Fish from St. Michael's

Dall

158. Naliotis, Sitka

R. Cotter.

159. Fusus, Ounga Nar.

4 fms, near W.H. Dall.

160 Echini, Sitka, 2 sp

10 fms, W.H. Dall.

161. Pnelto, Sitka, 7 fms, taken
with hook, Geo. Dow.

162. Fish Sitka under stone
at low water, Dall

163. Holothurians, Sitka
Dall under stones low water

Alcoholic

Do

Do

Dry

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- 164. Shells low tide level
Sitka W.H. Dall.
- 165. Shells low tide level,
Sitka W.H. Dall.
- 166. Ermine. Plover Bay
E. E. Smith Sept 28
- 167. Skull Plover Bay beach
— — W.H. Dall. —
- 168. Box Dry shells.
Plover bay beach Dall
- 169. Natica. Plover bay
W.H. Dall
- 170. Dry shells Plover
bay, W.H. Dall.
- 171. Bleached Whalebone
Bowhead. Plover bay Dall
- 172. Dry Shells Plover bay
beach W.H. Dall.
- 173. Crepidula Plover bay
Laminaria W.H. Dall

Dry.

174. Lot of Stone lichens from
Hills round Plover bay
Sept 28. W.H. Dall.

175. White Quartz from hills
around Plover B. W.H.D.

176. Stone with ~~te~~. Bottom
~~177~~ of Behring Strait. Col. B.

177. Soundings from 30 fms in
Behring Strait. Col. Buckley.

178. Embryo shells, Plover B
^{Box No. 7}
(Fusus.) W.H. Dall.

179. Mouse, Plover B. St. Davison

180. Sundries from the Lamin-
arian ~~zone~~ zone. W.H. Dall
Plover B., Sept 28.

181. Sundry small shells
Plover B. Lam. zone. Dall

~~182~~
Sundries from soundings in
Behring Straits. 17 to
30 fms. Col. Chas. Buckley

Alcoholic

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al

Box 9 Dry.

Box 9 "

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Box 9

Box 9

183. Echinus 30 lbs Behning str
soundings. Col Bulkeley.

184. Dry Plants 14 sp.

Ounqa. Dall

185. Deer horns Plover Bay
dry Capt. Scammon

186. Bones of hair seal, Plo-
ver Bay Capt. Scammon.

187. Skull of the Eskimo dog
Plover bay. W. H. Dall

188 do

Dall

189 do

Dall

190 - Box lichens + moss

191 algae & sponge
Plover bay Dall

192. Plants, Ounqa Hyde

193. Plants Plover Bay
W. H. Dall

- 194. Spider crab, beach,
Petrovskiy, W.H. Dall
- 195. Box loose shells, Petropavlovsk
beach Oct-18, W.H. Dall.
- 196. do do
W.H. Dall
- 197. Mended sea urchin
Petropavlovsk W.H. Dall.
- 198. Box loose shells,
Avatchan, E.E. Smith
- 199. Box loose shells
Petropavlovsk Dall
- 200. owl Oct-20 -
Petropavlovsk Dall
- 201. Ludo Oct-23
Dall
- 202. do
Dall
- 203. Crab shore, Litter
Dall

204. set of teeth, dogs
Avatcha Dall
205. Alder seeds Retrop.
Whymper
206. wild Cherry stones
Avatcha W.Dall
207. Anodonta, Retrop.
W.Dall.
208. Pine cones, Retrop
W.Dall.
209. Soundings off St Lawrence Id. Behning Sea.
Capt C. M. Deanner
210. Bryozoa Retropolusk
W.Dall
211. Mouse, (179.)
Plover Bay Davison
212. Shells (180)
Plover B. W.Dall.
213. Marine do (181) Dall.

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at.

Dry.

Dry.

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224. Young deer horns (185)
Plover Bay. Capt. Seaman

225. Gull. Avatcha.
Kamchatka Dall

226. Mouse.
Petropavlovsk. Dow

227. Trout.
Petropavlovsk. Dow

228. Herring.
Avatcha. Dall

229. Tomcod.
Avatcha. Dall

230. Woodpecker.
Avatcha. Dall

231. Actinias.
Petropavlovsk. Dall

232. Cynthia. F. Whymper
Petropavlovsk. ~~#~~

234. Crab.
Petropavlovsk. Dall

233. Cynthia
Petro-pavlovsk Dall
235. Pipe fish.
Petro-pavlovsk. C. Fronfeld
236. Sculpin.
Petro-pavlovsk, C. Fronfeld
237. Shrimps
Petro-pavlovsk, W.H. Dall
238. Lundries fish.
Nanaimo. W.E. Clifford
239. Lundries
Esquimalt. W.E. Clifford
240. Weasel skin
Plover B. W.E. Clifford,
241. Echinus
Esquimalt. W.E. Clifford
242. Coal and Argobuccinum
Ounega, Capt. Scammon
243. Fossil tusk
Cape P. N.W. Col. Bulkeley

233. *Gracilaria* 233
234. *Polytrichum* 234
235. *Polytrichum* 235
236. *Polytrichum* 236
237. *Polytrichum* 237
238. *Polytrichum* 238
239. *Polytrichum* 239
240. *Polytrichum* 240
241. *Polytrichum* 241
242. *Polytrichum* 242
243. *Polytrichum* 243
244. *Polytrichum* 244
245. *Polytrichum* 245
246. *Polytrichum* 246
247. *Polytrichum* 247
248. *Polytrichum* 248
249. *Polytrichum* 249
250. *Polytrichum* 250

244. Bolivian & Chil
ian Plants.
Mrs Bridges

1850
The [illegible]
[illegible]

Mr. Frék. Dalley,

Fort St. Victoria, N. S.

Mr. Wilson Brown,

Victoria,

Mr. E. M. Richardson,

Mr. E. T. Coleman.

Libr. Mech. Inst. vic.

Mr. Jeffries,

Ornithologist N.

First named will give you the
addresses of all the others.

1840
1841
1842

1843
1844
1845

1846
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1848

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1852
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1866

1867
1868
1869

	No
San Francisco	1.
do.	2.
Coast of California,	3.
Panama.	4.
Cala.	5.
Coast Cal. San Diego	6.
Cala.	7.
Sandwich Islands.	8.
Coast of Good Hope,	9.
Sandwich Islands	10.
Guam,	11.
St. Barbara Chan.	12.
C. G. Hope. ? male of the calia con can mesata Chemom. (N. + P. Ad.)	13.
St. Barbara Island	14.
Australia,	15.
Sandwich Isld.	16.
Gulf of Cala.	17.

List of Shells rec'd from March
twentieth 1865 to July 10, 1865.

1 anodonta Wahlatamensis Lea.	Dr. N.
1 " sp.	"
2 Oliva Cumingiana?	"
200 Olivella	bought
4 Helix dupetitthouarsii	Dr. N.
4 Turris	Steam
9. Helix horrida Gld.	Dr. N.
3. Achatinella splendida. Newe.	
1 Cypraea edentata,	Dr. N.
6 Helix similis Per.	"
4 Pythia leucothostoma Ree.	"
5 Luponia Sowerbyi,	Steam
1 Cardita sinuosa, Lam.	Dr. N.
8 Helix facta. Newe.	"
2 Amphibola haryana	"
5 Littorina newcombii Lea.	"
50 Columbella	Steam

Gulf of Calca.	18
China.	19
Gulf of Calca.	20
"	21
China.	22
Murex brassica Coast of Mexico.	23
China.	24
"	25
W. Coast - Mexico.	26
China.	27
"	28
"	29
"	30
"	31
Coast of Calca.	32
China	33
"	34
"	35
"	36
"	37

30	Columbella.	Stearns.
5	Leytherea.	"
2	Harpa articularis Lam.	"
2	Conus tulypa.	"
1	Circe sp.	brought
1	Pasciolaria princeps.	Stearns
2	Ficus reticulata.	"
2	" ficus.	"
2	" ventricosa.	"
2	Cerithium sp.	"
5	"	"
4	Ranella ? spinosa	"
2	Haliotis species	"
2	Dolium	"
2	Mitra adusta.	"
2	Uvula sp	4
3	Helix lowipes Rf.	20
1	Uvula sp.	"
3	Modulus sp.	"
2	Rapana sp. ? bezoar.	"

China	38
Coast of Mexico	39
China	40
"	41
W.C.N. Am.	42
"	43
China	44
"	45
"	46
?	47
China	48
San Juan R. Nicaragua.	49
China	50
"	51
Eatable,	52
"	53
White	54
"	55
"	56
"	57.

1	Strombus luhmanni	Stearns.
1	Spondylus species.	"
3	Mytilus smaragdus L.	"
3	Spondylus species	"
2	Murex sp.	"
2	Strombus sp.	"
2	"	"
3	Arca species	"
2	Anodonta sp	"
3	? Calliostoma sp	bought
3	Monodonta sp.	Stearns
1	Unio? n. sp.	nohis.
1	? Circe sp.	Stearns
1	Amiantis sp.	"
2	Fusus sp.	"
2	Anodonta sp.	"
2	Strombus sp.	"
2	?? Leorbicula sp.	"
2	Potamion sp.	"
2	Crassatella sp.	"

3	<i>Dolium</i> sp. China.	58
	Near Canton "	59
	" "	60
	" ?	61
	" China	62
	" "	63
	Natica " otis Pan. Steam	64
	" sp. "	65
Goat Island	San Francisco Bay.	66
	Monterey Cal.	67
	Santa Catalina Isl.	68
Goat Island	San F. Bay.	69
	San Diego Cal.	70
	" "	71
	Clear Lake Cal.	72
Cal.	Santa Barbara Island	73
	" "	74
	Catalina Island.	75
	Northern Cal.	76
	Lake Tahoe, Cal.	77

5	<i>Cardita</i> sp.	Steam
3	<i>Dolium</i> sp.	"
1	<i>Dolium</i> sp.	"
3	<i>Purpura</i> sp.	"
4	<i>Circe</i> sp.	"
3	<i>Plectrophorus</i> sp.	"
2	<i>Pecten pleuronectes</i>	"
1	" sp.	"
3	<i>Cardium Nuttallii</i> Conr. nobis	
1	<i>Calliastoma annulata</i> Lough	
1	<i>Helix rufocincta</i> Newe. Dr. N.	
6	<i>Schizothaerus Nuttallii</i> Conr. nobis	
1	<i>Trigona crassatelloides</i> .	Steam
9	<i>Chlorostoma funebralis</i> .	"
3	<i>Planorbis Newberryi</i> Lea. Gabb	
1	<i>Helix Inyoni</i> Newe.	Dr. N.
1	<i>H. Newberryana</i> W. G. B.	"
1	<i>Helix Kelletti</i> Forbes	"
3	<i>Succinea oregonensis</i> Lea	"
3	<i>Vitrina Pfeifferi</i> Newe	"

Santa Barbara Chan-	78.	2 Haminea virescens Hy. d. n	
San Diego, Cal.	79.	4 Leda sp.	"
" " "	80.	3. Patella sp.	"
" " "	81.	1. Machera patula Con. var lucida	"
San Pedro	82.	4. Donax laevigatus Desh.	"
San Diego	83.	1 Scalania sp	"
"	84.	1 " "	"
"	85.	1 Tomatina inculta Gld.	"
San Francisco.	86.	3 Pupa Rowellii Newe,	"
" "	87.	2 Helix chersina	"
	88.		
	89.		
Acapulco,	90.	4 Corbicula sp	brought
"	91.	5 " "	"
"	92.	2 Donax punctostriatus Hanly	"
San Diego	93.	1 Conus flavidus, Lam. Stearns	"
Gulf of Cal.	94.	3 Lacuna unifasciata, Gerv. Don	"
Small Sandw. I.	95.	1 Purpura sp. not Pinaxis,	"
Oregon	96.	1 Helix townsendiana	"
Sandw. Isl.	97.	1 Cypraea ovulata	"

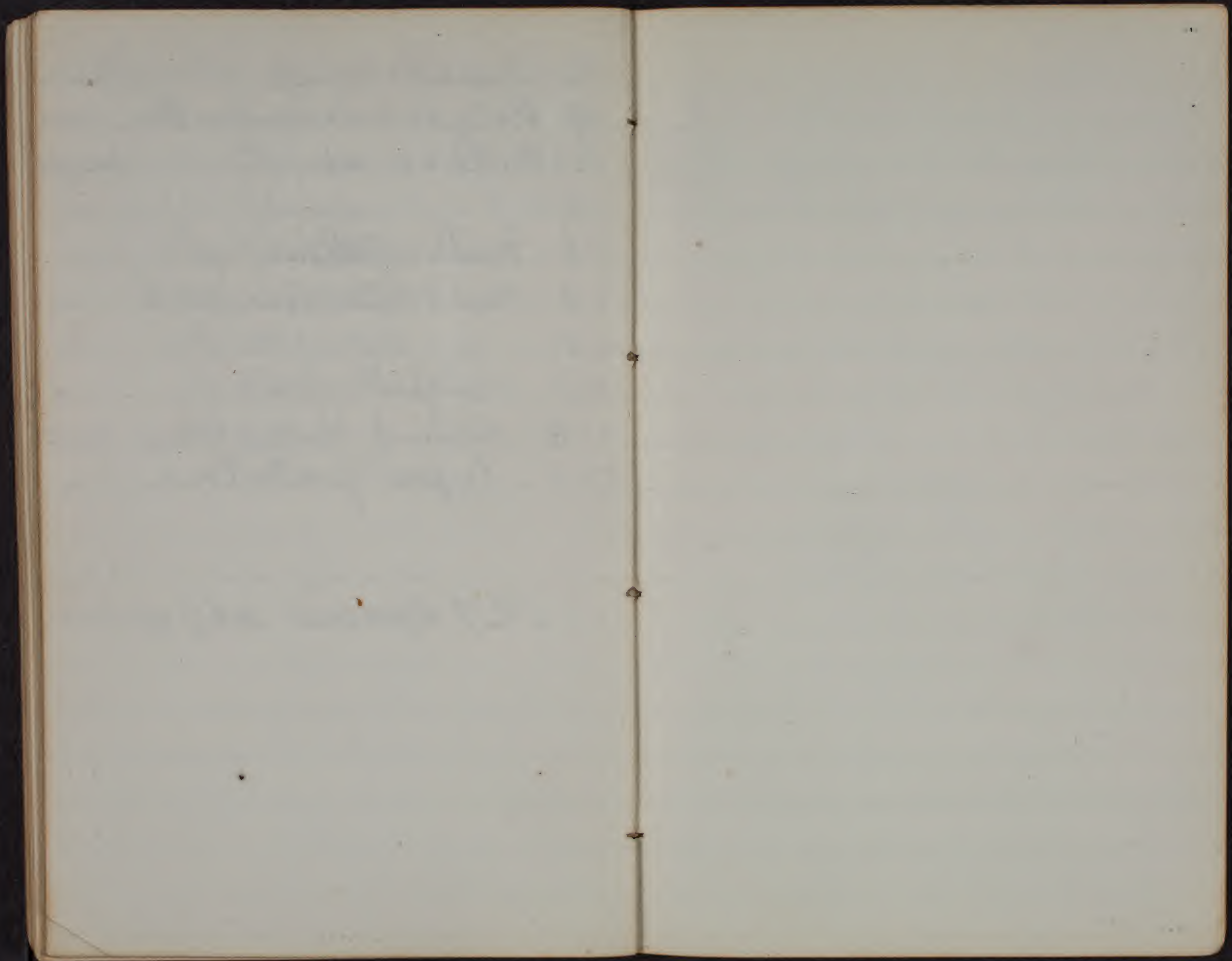
Pan Francisco bay	98
Isla. Barbara Island	99
Cape of Y. Hope	100
Oregon	101
Van Diemens land	102
Sand. Isl. Pease.	103
Gulf of Cal.	104
Lake Tahoe Cal.	105
Sandwich Isl.	106
"	107
"	108
"	109
"	110
"	111
"	112
"	113
"	114
"	115
"	116
Hanton R. China	117

2	<i>Hydrobia</i> n.s. Tryon, nobis.	
5	<i>Helix columbianus</i> W.B. Don	
1	<i>Venericardia perforans</i> Lin.	"
4	<i>Helix Vancouverensis</i> ,	"
1	<i>Cypraea angustata</i> Gray	"
2	<i>Bulla ampulla</i> L. Hearn	
1	<i>Dione</i> sp	"
2	<i>Helix arrosa</i> , Yld	4 abt
1	<i>Achatinella rugosa</i> Migh.	"
3	" <i>lacryma</i> Yul.	"
1	" <i>Mighelsiana</i> ,	"
3	" <i>colorata</i> , Rue.	"
2	" <i>cornicola</i> Afr.	"
1	" <i>assimilis</i> ,	"
1	" <i>vitrea</i> ,	"
1	" <i>rudis</i> , small striate	"
1	" <i>serot</i> , purple brown.	"
1	" <i>tricolorata</i> ,	X "
1	" <i>turnitella</i> ,	X "
1	<i>Pecten</i> sp.	Hearn

Canton River, China, 118
 Gulf of Calca, 119
 China, 120
 China, 121
 Sta Barbara Chan, 122
 Calca, Copperopolis, 123
 " 124
 Calca Gulf, 125
 Oregon, 126
 Calca, Gulf, 127

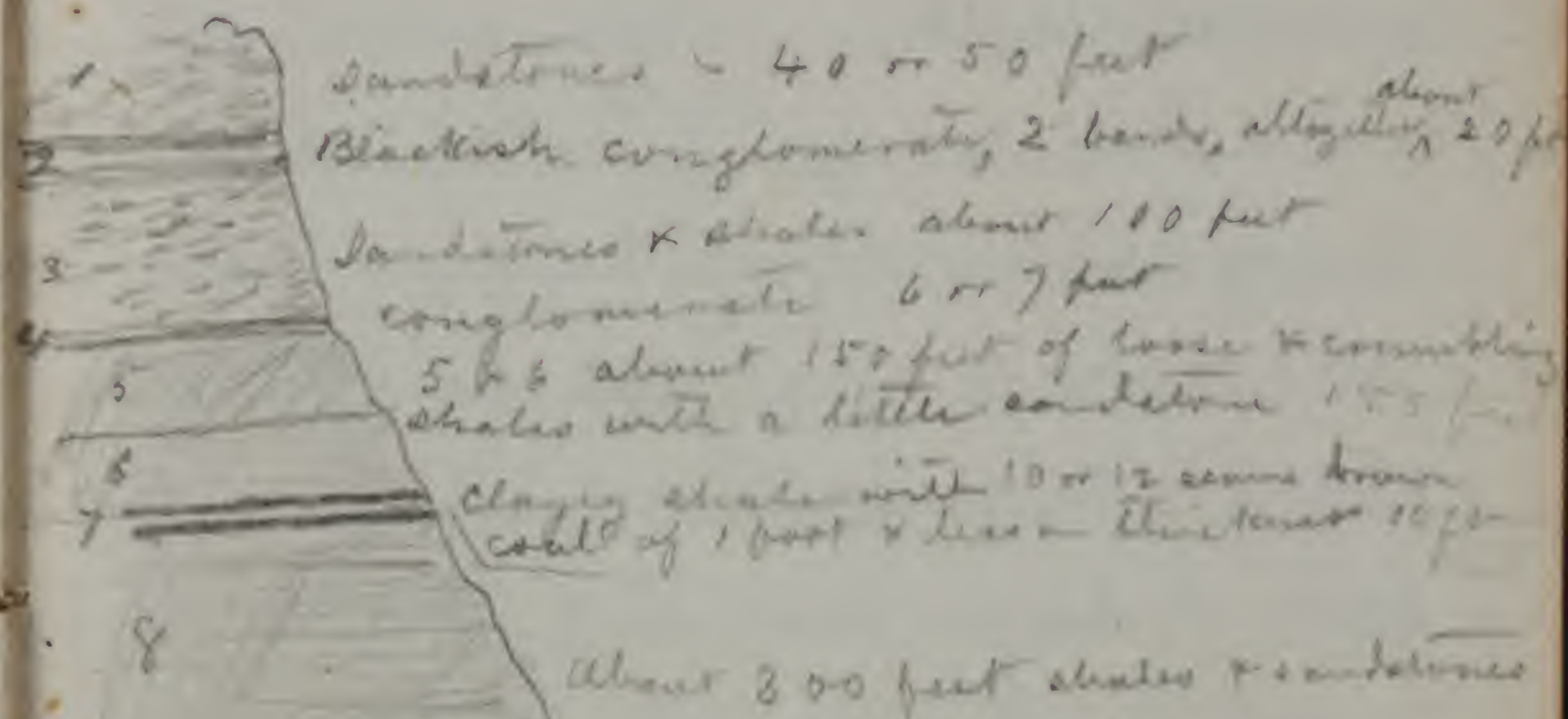
2 Anodonta sp. Stearns
 4 Strigilla carmaria Strm. nobis
 1 Matica sp bought
 1 " "
 1 Grato vitellina Cpr. "
 1 Helix intercisca W. H. B. "
 1 " exarata Pyr "
 1 Olivella vespertina "
 6 Helix fidelis Gray Suwe
 1 Tapes grata Com. "

127 species 467 specimens



Ounga Island

The island is for the most part ^{mountainous &} ~~mountainous &~~ contains ~~some~~ a small volcano not now active. In the northern & western part around the harbor the land is more level & stratified rocks prevail. These are well exposed on the S.W. side of the harbor in cliffs varying in height from 5 to 700 feet (estimated). The following is a section made here.



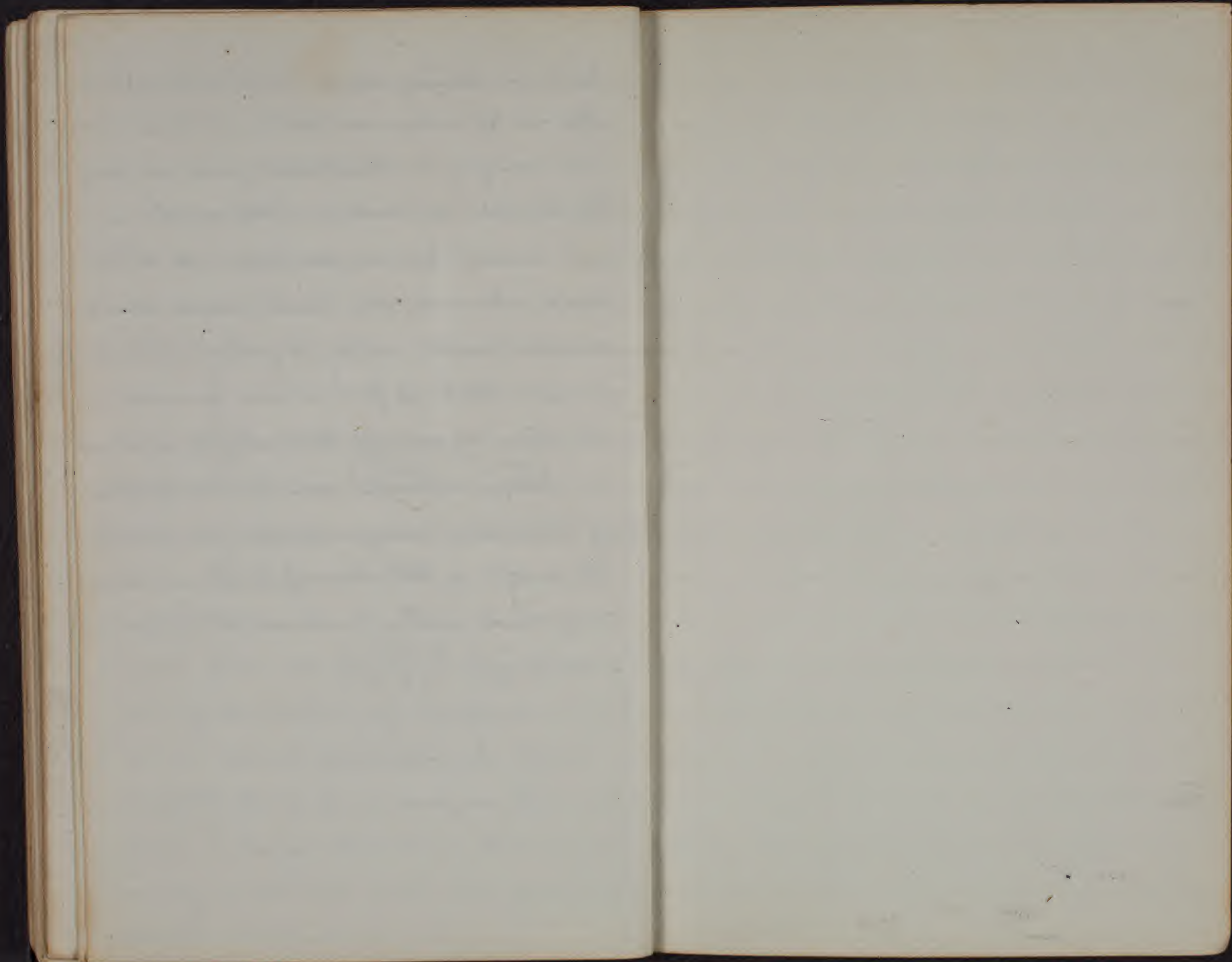
The thicknesses of the strata are merely estimates, I had no means of making accurate measurements.

The rocks have a slight dip towards the N.W. but are nearly level.

I was unable to examine the uppermost strata, above the black conglomerate, but in appearance they resembled those below, a coarse light colored sandstone, ^{with a little shale} in which I found no organic remains except fossil wood. No 4 resembles No 2 but is lighter colored. In the shale just below this we found in one place many specimens of *Exogyra* somewhat like *E. arctica*. As these seemed to be found only in the upper part I have divided this series in my section into two portions marked 5 & 6.

No 7 is clayey shales and coal seams. There are ten or twelve of these latter varying in thickness from an inch to a foot or more. The coal is not black but dark brown in the shale close to the coal seams ~~is~~ much fossil wood (lignite)

In No 8 I found no fossils. At the base of the cliff I found in loose stones some impressions of plants (angiosperms) marked thus $\frac{1}{9}$. All the specimens are marked with ink in this manner:
- $\frac{1}{9}$ = Section 1
- $\frac{1}{5}$ = bed 5



Bischoff.

- ✓ 2 pair tweezers
- ✓ 50 fish bags -
- ✓ 1 pair large scissors -
- ✓ Lot insect pins about 2,000.
- ✓ 3 papers gloves needles.
- ✓ Pocket inkstand
- ✓ 1 large knife
- ✓ 4 egg dills
- ✓ 3 blow pipes
- ✓ 3 note books
- ✓ 5 Cans Alum & Saltpetre
- ✓ 2 beating nets -
- ✓ 2 doz small bottles
- ✓ 6 large "
- ✓ 16 cans Arsenic.
- ✓ Lot cornstarch
- 2 Ceyar woods
- 1 Butterfly frame & 2 nets
- 2 Botanical straps

R.K.

- ✓ 1 large knife.
- ✓ 1 large scissors -
- ✓ 2 bunches labels -
- ✓ 1 pair tweezers
- ✓ 20 fish bags
- ✓ 2000 nos 1 & 2 Insect Pins
- ✓ 1 dredge.
- ✓ 1 beating net
- ✓ 10 small bottles
- ✓ 3 large bottles
- ✓ 1 can of alcohol 4 gal

Lot labels -

- 2 jars 2 drachms homo
- viols corked -
- 1 small knife
- 1 can + 2 1/2 gal alcohol

Dr. Fisher
Aug 18th 1865 -

Recd of Sci. Dept.
two doz 4 oz vials
one " 2 oz "

W + Dall. wit,

Mr McKee.
Anadyr Party

{Two cans arsenic.
Two bottles alcohol.

Hammond
Georgetown, Nic.
2 egg drills
2 blow pipes
tweezers & small hammer

1881

1	Jan 1	...
2	Jan 2	...
3	Jan 3	...
4	Jan 4	...
5	Jan 5	...
6	Jan 6	...
7	Jan 7	...
8	Jan 8	...
9	Jan 9	...
10	Jan 10	...
11	Jan 11	...
12	Jan 12	...
13	Jan 13	...
14	Jan 14	...
15	Jan 15	...
16	Jan 16	...
17	Jan 17	...
18	Jan 18	...
19	Jan 19	...
20	Jan 20	...
21	Jan 21	...
22	Jan 22	...
23	Jan 23	...
24	Jan 24	...
25	Jan 25	...
26	Jan 26	...
27	Jan 27	...
28	Jan 28	...
29	Jan 29	...
30	Jan 30	...
31	Jan 31	...

...

List of Articles for W. H. Hall as per W. B. Co's Ac.

1 Common cloth		Capot		\$ 4.50
1 blue valmoral	X	Bonnet		1.25
1/2 doz. D. R.		Shoes		1.00
1 bandanna		Hat		.86
1 broad scarf		Belt		.84
1/2 doz. fancy	X	Soap		.75
1/4 doz ⁶ / ₄		Huckaback		1.00
1/2 doz tailors	2 X	Scissors		2.25
1/2. Sadies		"		2.50
1 " Small		"		2.50
1 pair		Moccasins		.92
3 briar Wood	2 X	Pipes		1.14
1 pocket Comb	X			.18
1 M F Looking	X	Glass		.12 1/2
1 doz Hand Saw		Files		1.50
1 " gingham		Hat		2.25
3 narrow col'd		Belts		2.25

all rec'd Aug 16. 1865.
 \$20.00 paid in advance
 \$5.76 due.

4.50

5.00

38

\$ 25.76 1/2

627 Shs Abalones
exported from
San Francisco
from Jan 1. to June

30
1945

САНАКЪ.

